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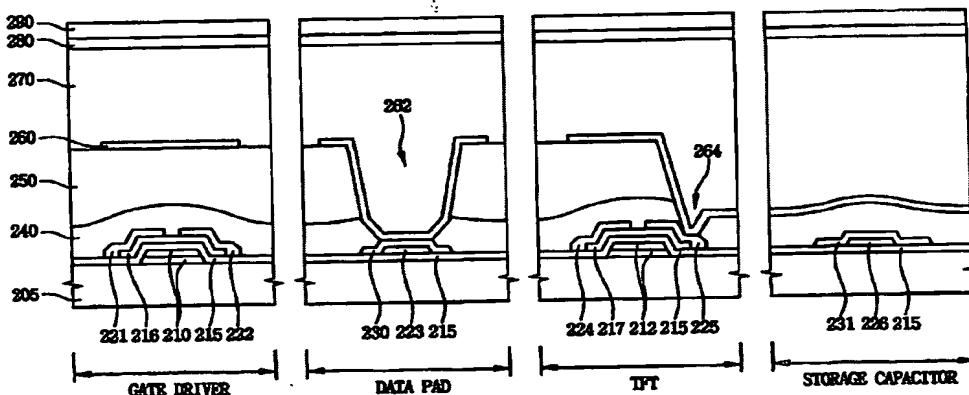
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(54) Title: ARRAY PANEL FOR A DIGITAL X-RAY DETECTOR AND METHOD OF MANUFACTURING THE ARRAY PANEL



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(57) Abstract: An array panel for a digital X-ray detector including a gate driver (150) is disclosed. A switching element (TFT) is formed in a pixel region defined by gate (110) and data lines (120). A photoelectric cell (130) generates electrons in response to the light supplied from outward. A pixel electrode (260) is formed in the pixel region, and gathers electrons generated from the photoelectric cell (130). A storage capacitor (C) is connected to the drain electrode (225) and stores the electrons gathered in the pixel electrode (260). A gate driver (150) is electrically connected to an end portion of the gate line (110), and provides a scan signal for driving the switching element (TFT). A data pad (140) is electrically connected to an end portion of the data line (120). The electrons stored in the storage capacitor (C) move to the data pad (140) as the switching element (TFT) is turned on. Therefore, the manufacturing cost is reduced, and the manufacturing process is simplified.